Author Index of Volume 165

Adeyemo, A. O., 255
Agozzino, P., 7
Akiba, K., 245
Al-Akhdar, W. A., 15
Alonzo, G., 7
Archibong, E. F., 255
Arif, M., 191
Arriortua, M. I., 91
Asato, E., 207

Baker, P. K., 241
Balch, A. L., 45
Bates, P. A., 191
Baxter, J. C., 201
Belmore, K. A., 15
Bertani, R., 73
Bertazzi, N., 7
Bossek, U., 123
Burger, N., 83

Cameron, C. J., 141
Campo, K. S., 87
Carbonaro, L., 197
Collin, J.-P., 41
Consiglio, M., 7
Cortes, R., 91
Cozzi. A., 31

Davidson, G., 231
Davies, C. L., 231
Davison, A., 9
Derringer, D. R., 141
de Vries, N., 9
Di Martino, S., 13
Dimmock, P. W., 3
Dobson, G. R., 11

El-Saied, F. A., 147
Emsley, J., 191

Facchin, G., 73
Farooq, A., 37
Federov, V. Ye., 25
Fedin, V. P., 25
Fiol, J. J., 131
Flower, K. R., 241

Gan, Q., 37
Gentile, R. A., 87
Geras'ko, O. A., 25
Giacomelli, A., 197
Gleria, M., 73
Gliemann, G., 51
Guimerans, R. R., 45
Güntner, W., 51

Hankonyi, V., 83
Hernandez, E. C., 45
Heyward, M. P., 105
Hirose, M., 179
Hoffmann, S., 163
Hubert-Pfalzgraf, L. G., 1
Hummel, H.-U., 99
Hursthouse, M. B., 191

Ichimura, A., 111

Jones, A. G., 9
Jones, R. L., 173

Kaden, T. A., 19
Karlin, K. D., 37
Kemp, T. J., 13
Kendrick, M. J., 15
Kida, S., 207
Kinoshita, I., 111
Kishita, M., 35
Klement, U., 51
Kolawole, G. A., 255
Korn, U., 99
Krizanovic, O., 145
Kushida, K., 35
Kyuno, E., 115

Lebioda, L., 201
Lewiński, J., 249
Lezama, L., 91
Li Kam Wah, H., 215
Lippert, B., 57, 145
Liu, S., 37

Maggio, F., 7
Massiani, M.-C., 1
Matsubayashi, G.-E., 245
Ma Yongxiang, 185
Ma Yun, 185
McGinnes, J., 3
Menaldino, D. S., 173
Merola, J. S., 87
Mesa, J. L., 91
Miah, Md. A. A., 23
Micklitz, W., 57
Mikulcik, P., 57
Mikuriya, M., 35, 207
Mironov, A. V., 25
Miyake, C., 179
Miyoshi, K., 65
Mizuta, T., 65
Modrick, M. A., 87
Moreno, V., 131
Mori, W., 35, 111
Moss, J. R., 221
Müller, G., 57
Murray, K. S., 207

Nakao, Y., 111
Nakayama, H., 35
Niven, M. L., 221
Nuber, B., 123

Ohya-Nishiguchi, H., 179
Oka, H., 111
Olby, B. G., 153
Olmstead, M. M., 45
Ooi, B.-L., 3
Ooi, S., 111
Osborn, J. A., 41
Otto, P., 99

Papiernik, R., 1
Pasini, A., 31
Pasynkiewicz, S., 249
Pesch, F. J., 145
Phillips, D. J., 23
Pierrot, M., 215
Pietzsch, H.-J., 163
Poor, P. H., 167
Postel, M., 215

Ramirez, G., 167
Reger, D. L., 201
Rehorek, D., 13
Riede, J., 57
Robinson, S. D., 153
Rojo, T., 91

Senatore, L., 197
Sheer, M., 25
Slovokhotov, Yu. L., 25
Smerić, Z., 83
Sokolov, M. N., 25
Sostero, S., 13
Spies, H., 163
Strutchkov, Yu. T., 25
Stufkens, D. J., 249
Sutton, E. E., 221

© Elsevier Sequoia/Printed in Switzerland

Suzuki, S., 111
Sykes, A. G., 3

Tanaka, T., 245
Taura, T., 27
Terron, A., 131
Toftlund, H., 207
Traverso, O., 13

Uemori, Y., 115

Valli, L., 197
Vanderveer, D., 167, 173
Via, J., 91
Vicens, M., 131

Walton, R. A., 141
Weiss, J., 123
Wells, C. F., 105
Wieghardt, K., 123
Williams, D. J., 167, 173
Wu, Y.-H., 19

Yoshida, T., 65
Youinou, M.-T., 41

Zabel, M., 51
Zeng Zhengzhi, 185
Zhang, S., 11
Zhao Gang, 185
Zubieta, J., 37

Subject Index of Volume 165

Alkene complexes
anaerobic and aerobic oxidation of styrene with Cr(salen)/NO_2^- system, 31
competetive mechanisms for displacement by 1-hexene of n-heptane from photogenerated [(n-heptane)$Cr(CO)_5$] transient, 11
Alkoxide compounds
heavy main group molecular precursors of oxides; volatile and soluble Pb(II) alkoxides and oxoalkoxides, 1
Alkyl complexes
spectroscopic evidence for agostic interactions in organocobalt porphyrins, 15
Alkyne complexes
reactions of cationic monobut-2-yne complex [WI(CO)(NCMe)(dppm)(η^2-MeC_2Me)] [BF_4] {dppm = $Ph_2P(CH_2)PPh_2$}, 241
Aluminium complexes
structural properties of octahedral Al diacetylacetonate cation complexes derived from IR spectra, 249
Amine complexes
fluoride–water H bonding; X-ray structure of tris(ethylenediamine)Zn(II) fluoride dihydrate, 191
kinetics of oxidation of quinol by bis(2,2′-bipyridine)Mn(III) ions in aqueous perchlorate media, 105
mono- and dinuclear Cu(II) complexes containing tripodal ligand and pyridine, imidazole or pyrazole, 111
nucleobase displacement from *trans*-diamineplatinum(II) complexes; rationale for inactivity of *trans*-DDP as antitumor agent?, 145
Amino acid complexes
ternary Cr(III)–nucleotide–amino acid complexes; L-glutamic acid derivatives, 131
Antimony complexes
complexes of Sb(III) and Bi(III) chlorides with new bidentate thiourea – 1,1′-methylenebis-(3-methyl-2H-imidazole-2-thione), 173
complexes of Sb(V) chloride and 1,3-dimethyl-2(3H)-imidazolethione, 167
identification of Sb(III) thiocyanato species in mass spectra of Sb trifluoride and ammonium thiocyanate mixtures, 7

Bidentate ligand complexes
absorption and emission spectra and structure data of single crystal maleonitriledithiolate complexes of Pt(II), 51
chelate complexes of formylferrocene *m*-nitrobenzoylhydrazone with lanthanide, 185
complexes of Pt metals; 4,6-dimethylpyrimidine-2-thiol derivatives of Ru, Os, Rh and Ir, 153
complexes of Sb(III) and Bi(III) chlorides with new bidentate thiourea – 1,1′-methylenebis-(3-methyl-2H-imidazole-2-thione), 173
fluoride–water H bonding; X-ray structure of tris-(ethylenediamine)Zn(II) fluoride dihydrate, 191
kinetics of oxidation of quinol by bis(2,2′-bipyridine)Mn(III) ions in aqueous perchlorate media, 105
molecular structures of Au(2,2′-bpy)$Cl_3 \cdot 2.25H_2O$ and its 1-methyluracil adduct [Au(2,2′-bpy)-$(1\text{-MeU})_2$]$ClO_4 \cdot 4H_2O$, 57
new cyano-bridged binuclear complex of pyridine-2-aldoxime with pentacyanoferrate(II) ions, 83
structural properties of octahedral Al diacetylacetonate cation complexes derived from IR spectra, 249
Binuclear complexes
bioinorganic model complexes for active site in Mn containing catalases; crystal structures of $[L_2Mn^{II}{}_2(\mu\text{-}OH)(\mu\text{-}O_2CCH_3)_2](PF)_6 \cdot CH_3OH$ and $[L'_2Mn^{III}{}_2(\mu\text{-}O)(\mu\text{-}O_2CCH_3)_2](I_3)I \cdot H_2O$, 123
Bismuth complexes
complexes of Sb(III) and Bi(III) chlorides with new bidentate thiourea – 1,1′-methylenebis-(3-methyl-2H-imidazole-2-thione), 173

Carbon monoxide complexes
discrimination reaction of O_2 and CO to 'cross-strapped' type Fe(II) porphyrins, 115
Carbonyl complexes
competitive mechanisms for displacement by 1-hexene of n-heptane from photogenerated [(n-heptane)$Cr(CO)_5$] transient, 11
crystal structure of [$Cp_2Ti(THF)_2$] [$Co(CO)_4$]; variation of O–Ti–O angles in same crystal, 87
reactions of cationic monobut-2-yne complex [WI(CO)(NCMe)(dppm)(η^2-MeC_2Me)] [BF_4] {dppm = $Ph_2P(CH_2)PPh_2$}, 241
spin trapping of Rh-centered radical in photolysis of [(η^5-$CpMe_5$)$Rh(CO)_2$], 13
synthesis of some heterobinuclear compounds containing Os–Re bonds and crystal structure of heterobimetallic anionic complex [$HOsRe(CO)_8Br$]PPN, 221
vibrational spectra and normal coordinate analyses of bis(ethene)tetracarbonyl complexes of Mo and W, 231

© Elsevier Sequoia/Printed in Switzerland

Carboxylato complexes
effect of carboxylate ligands on rate of Co^{2+} incorporation into 1,4,8,11-tetraazacyclotetradecane, 19
Chelate complexes
chelate complexes of formylferrocene *m*-nitrobenzoylhydrazone with lanthanide, 185
fluoride–water H bonding; X-ray structure of tris(ethylenediamine)Zn(II) fluoride dihydrate, 191
molecular structures of Au(2,2′-bpy)$Cl_3 \cdot 2.25H_2O$ and its 1-methyluracil adduct [Au(2,2′-bpy)-(1-MeU)$_2$]$ClO_4 \cdot 4H_2O$, 57
novel structure of spontaneously resolved Ge(IV) complex with ethylenediaminetriacetatemonoacetic acid (Hedta), 65
structural properties of octahedral Al diacetylacetonate cation complexes derived from IR spectra, 249
synthesis, structure and structural dynamics of Ru(II) bis(2-diphenylphosphinoethyl)phenylphosphine dichloride, 45
unique mononuclear Fe(III) complex with binucleating ligand 2,6-bis[*N*-(2-pyridylethyl)-iminomethyl]-4-methylphenol, 35
Chromium complexes
anaerobic and aerobic oxidation of styrene with Cr(salen)/NO_2^- system, 31
competitive mechanisms for displacement by 1-hexene of n-heptane from photogenerated [(n-heptane)$Cr(CO)_5$] transient, 11
ternary Cr(III)–nucleotide–amino acid complexes; L-glutamic acid derivatives, 131
Cluster complexes
new synthetic route to $W_3S_4^{4+}$ clusters; preparation and structure of [$W_3(\mu_3\text{-}S)(\mu_2\text{-}S)_3(S_4)_3(H_2O)_3]^{2-}$, 25
rate constants for electron-transfer reactions of cuboidal [Mo_4S_4(edta)$_2$]$^{4-,\,3-,\,2-}$ cluster complexes, 3
synthesis and X-ray crystal structure of trinuclear Cu(I) cluster, 37
Cobalt complexes
crystal structure of [$Cp_2Ti(THF)_2$] [$Co(CO)_4$]; variation of O–Ti–O angles in same crystal, 87
effect of carboxylate ligands on rate of Co^{2+} incorporation into 1,4,8,11-tetraazacyclotetradecane, 19
EHMO study on solvation site in system [Co-$(CN)_6]^{3-}$–H_2O, 27
magnetic and spectral properties of some Co(II) complexes of vitamin B_1, 255
spectroscopic evidence for agostic interactions in organocobalt porphyrins, 15
Copper complexes
electrochemical properties of bridged and non-bridged dinuclear Cu complexes using flexible ligand, 41
mono- and dinuclear Cu(II) complexes containing tripodal ligand and pyridine, imidazole or pyrazole, 111
preparation and characterization of Cu(II) complexes with 1,4,8,11-tetrakis(2-pyridylmethyl)-1,4,8,11-tetraazacyclotetradecane, 207
structure and magnetic properties of two new polynuclear Cu(II) complexes; [Cu(terpy)-(NCO)(H_2O)](Y) (Y = NO_3, PF_6), 91
synthesis and X-ray crystal structure of trinuclear Cu(I) cluster, 37
Crystal structure(s)
of bis(tetraphenylarsonium)-*N*-(*p*-chlorphenylsulfonyl)-dithiocarbimatodisulfide hydrate, 99
of Br(PEt_3)Pt{μ-[$(pz)_2BH(pz)$]}Pt(PEt_3)Br_2, 201
complexes of Sb(III) and Bi(III) chlorides with 1,1′-methylenebis(3-methyl-2H-imidazole-2-thione), 173
complexes of Sb(V) chloride and 1,3-dimethyl-2(3H)-imidazolethione, 167
of [$Cp_2Ti(THF)_2$] [$Co(CO)_4$], 87
of Cu(II) complexes with 1,4,8,11-tetrakis(2-pyridylmethyl)-1,4,8,11-tetraazacyclotetradecane, 207
of [Cu(terpy)(NCO)(H_2O)](Y) (Y = NO_3, PF_6), 91
of [$Fe(NO)_2(Cl)]_2$(μ-dppe) and $Fe(NO)_2$(dppe), 215
of Ge(IV) complex with ethylenediaminetriacetatemonoacetic acid (Hedta), 65
of [$HOsRe(CO)_8Br$]PPN, 221
of [$L_2Mn^{II}_2(\mu\text{-}OH)(\mu\text{-}O_2CCH_3)_2$]($PF_6$)$\cdot CH_3OH$ and [$L'_2Mn^{III}_2(\mu\text{-}O)(\mu\text{-}OCCH_3)_2$]($I_3$)$I \cdot H_2O$, 123
of maleonitriledithiolate complexes of Pt(II), 51
of Ru(II) bis(2-diphenylphosphinoethyl)phenylphosphine dichloride, 45
trigonal bipyramidal compounds of Te with tetradentate umbrella ligand, 9
of trinuclear Cu(I) cluster, 37
of tris(ethylenediamine)Zn(II) fluoride dihydrate, 191
of unique mononuclear Fe(III) complex with binucleating ligand 2,6-bis[*N*-2-pyridylethyl)-iminomethyl]-4-methylphenol, 35
of [$W_3(\mu_3\text{-}S)(\mu_2\text{-}S)_3(S_4)_3(H_2O)_3]^{2-}$, 25
Cyanide complexes
EHMO study on solvation site in system [Co-$(CN)_6]^{3-}$–H_2O, 27
new cyano-bridged binuclear complex of pyridine-2-aldoxime with pentacyanoferrate(II) ions, 83
Cyclopentadienyl complexes
crystal structure of [$Cp_2Ti(THF)_2$] [$Co(CO)_4$]; variation of O–Ti–O angles in same crystal, 87
spin trapping of Rh-centred radical in photolysis of [(η^5-$CpMe_5$)$Rh(CO)_2$], 13

Dimeric complexes
polypyrazolylborate–phosphine complexes of

Pt(II); X-ray crystal structure of unusual dimer $Br(PEt_3)Pt\{\mu\text{-}[(pz)_2BH(pz)]\}Pt(PEt_3)Br_2$, 201
Dinuclear complexes
electrochemical properties of bridged and non-bridged dinuclear Cu complexes using flexible ligand, 41
Dioxygen complexes
discrimination reaction of O_2 and CO to 'cross-strapped' type Fe(II) porphyrins, 115
Dithiocarbimate compounds
crystal structure of bis(tetraphenylarsonium)-*N*-(*p*-chlorphenylsulfonyl)-dithiocarbimatodisulfide hydrate and *ab initio* MO study on characteristic S–S dihedral angle in dinegative model system $[HN{=}C(S)S{-}S(S)C{=}NH]^{2-}$, 99

Electrochemistry
electrochemical properties of bridged and non-bridged dinuclear Cu complexes using flexible ligand, 41
Enzyme complexes
bioinorganic model complexes for active site in Mn containing catalases; crystal structures of $[L_2Mn^{II}{}_2(\mu\text{-}OH)(\mu\text{-}O_2CCH_3)_2](PF_6)\cdot CH_3OH$ and $[L'_2Mn^{III}{}_2(\mu\text{-}O)(\mu\text{-}O_2CCH_3)_2](I_3)I\cdot H_2O$, 123
ESR
and magnetic susceptibility evidence of thermally accessible transfer between $U^{5+}Cl_5(\phi_3P)$ and $U^{4+}Cl_5(\phi_3P)^{+\bullet}$, 179

Fluoride complexes
fluoride–water H bonding; X-ray structure of tris(ethylenediamine)Zn(II) fluoride dihydrate, 191
identification of Sb(III) thiocyanato species in mass spectra of Sb trifluoride and ammonium thiocyanate mixtures, 7

Germanium complexes
novel structure of spontaneously resolved Ge(IV) complex with ethylenediaminetriacetatemonoacetic acid (Hedta), 65
Gold complexes
molecular structures of $Au(2,2'\text{-bpy})Cl_3\cdot 2.25H_2O$ and its 1-methyluracil adduct $[Au(2,2'\text{-bpy})(1\text{-MeU})_2]ClO_4\cdot 4H_2O$, 57

Halide complexes
ESR and magnetic susceptibility evidence of thermally accessible electron transfer between $U^{5+}Cl_5(\phi_3P)$ and $U^{4+}Cl_5(\phi_3P)^{+\bullet}$, 179
Heterocycle complexes
complexes of Sb(V) chloride and 1,3-dimethyl-2(3H)-imidazolethione, 167
Hydrido complexes
synthesis of some heterobinuclear compounds containing Os–Re bonds and crystal structure of heterobimetallic anionic complex $[HOsRe(CO)_8Br]PPN$, 221
Hydroxo complexes
bioinorganic model complexes for active site in Mn containing catalases; crystal structures of $[L_2Mn^{II}{}_2(\mu\text{-}OH)(\mu\text{-}O_2CCH_3)_2](PF_6)\cdot CH_3OH$ and $[L'_2Mn^{III}{}_2(\mu\text{-}O)(\mu\text{-}O_2CCH_3)_2](I_3)I\cdot H_2O$, 123

Iron complexes
discrimination reaction of O_2 and CO to 'cross-strapped' type Fe(II) porphyrins, 115
new cyano-bridged binuclear complex of pyridine-2-aldoxime with pentacyanoferrate(II) ions, 83
structure–activity correlation in Fe nitrosyl complexes; crystal structures of $[Fe(NO)_2(Cl)]_2(\mu\text{-dppe})$ and $Fe(NO)_2(dppe)$, 215
unique mononuclear Fe(III) complex with binucleating ligand 2,6-bis[*N*-(2-pyridylethyl)-iminomethyl]-4-methylphenol, 35
Isocyanide complexes
conversion of quadruply bonded dirhenium(III) complexes to mononuclear pentakis(isocyanide) complexes of type $Re(CNAr)_5X$ (Ar = 2,4,6-tributylphenyl and X = Cl or Br), 141
reactions of cationic monobut-2-yne complex $[WI(CO)(NCMe)(dppm)(\eta^2\text{-}MeC_2Me)][BF_4]$ {dppm = $Ph_2P(CH_2)PPh_2$}, 241

Kinetics and mechanism
competitive mechanisms for displacement by 1-hexene of n-heptane from photogenerated $[(n\text{-heptane})Cr(CO)_5]$ transient, 11
kinetics of oxidation of quinol by bis(2,2′-bipyridine)Mn(III) ions in aqueous perchlorate media, 105
rate constants for electron-transfer reactions of cuboidal $[Mo_4S_4(edta)_2]^{4-,\,3-,\,2-}$ cluster complexes, 3

Lanthanide complexes
chelate complexes of formylferrocene *m*-nitrobenzoylhydrazone with lanthanide, 185
Lead compounds
heavy main group molecular precursors of oxides; volatile and soluble Pb(II) alkoxides and oxoalkoxides, 1

Macrocyclic ligand complexes
effect of carboxylate ligands on rate of Co^{2+} incorporation into 1,4,8,11-tetraazacyclotetradecane, 19
preparation and characterization of Cu(II) complexes with 1,4,8,11-tetrakis(2-pyridylmethyl)-1,4,8,11-tetraazacyclotetradecane, 207
Magnetism
ESR and magnetic susceptibility evidence of

thermally accessible electron transfer between $U^{5+}Cl_5(\phi_3P)$ and $U^{4+}Cl_5(\phi_3P)^{+\bullet}$, 179
magnetic and spectral properties of some Co(II) complexes of vitamin B_1, 255
structure and magnetic properties of two new polynuclear Cu(II) complexes; [Cu(terpy)-(NCO)(H_2O)](Y) (Y = NO_3, PF_6), 91
Manganese complexes
bioinorganic model complexes for active site in Mn containing catalases; crystal structures of $[L_2Mn^{II}_2(\mu\text{-}OH)(\mu\text{-}O_2CCH_3)_2](PF_6)\cdot CH_3OH$ and $[L'_2Mn^{III}_2(\mu\text{-}O)(\mu\text{-}O_2CCH_3)_2](I_3)I\cdot H_2O$, 123
kinetics of oxidation of quinol by bis(2,2′-bipyridine)Mn(III) ions in aqueous perchlorate media, 105
Mass spectrometry
identification of Sb(III) thiocyanato species in mass spectra of Sb trifluoride and ammonium thiocyanate mixtures, 7
Metal complexes
complexes of Pt metals; 4,6-dimethylpyrimidine-2-thiol derivatives of Ru, Os, Rh and Ir, 153
new synthetic route for transition metal complexes with Schiff bases, 197
pyridazine-bridged hetero- and homo-dimetallic complexes produced by using bis-pyridazine-carboxamide metal complexes as ligands, 23
Zn(II), Pd(II) and Pt(II) complexes on Schiff base-containing cyclophosphazenes, 73
Molecular structure
of Au(2,2′-bpy)$Cl_3\cdot 2.25H_2O$ and [Au(2,2′-bpy)-(1-MeU)$_2$]$ClO_4\cdot 4H_2O$, 57
Molybdenum complexes
rate constants for electron-transfer reactions of cuboidal $[Mo_4S_4(edta)_2]^{4-,3-,2-}$ cluster complexes, 3
vibrational spectra and normal coordinate analyses of bis(ethene)tetracarbonyl complexes of Mo and W, 231
MO study
crystal structure of bis(tetraphenylarsonium)-*N*-(*p*-chlorphenylsulfonyl)-dithiocarbimatodisulfide hydrate and *ab initio* MO study on characteristic S–S dihedral angle in dinegative model system $[HN{=}C(S)S{-}S(S)C{=}NH]^{2-}$, 99

Nitrosyl complexes
structure–activity correlation in Fe nitrosyl complexes; crystal structures of $[Fe(NO)_2(Cl)]_2$-(μ-dppe) and $Fe(NO)_2$(dppe), 215
Nucleobase complexes
nucleobase displacement from *trans*-diamineplatinum(II) complexes; rationale for inactivity of *trans*-DDP as antitumor agent?, 145
Nucleotide complexes
ternary Cr(III)–nucleotide–amino acid complexes; L-glutanic acid derivatives, 131
Olefin complexes
vibrational spectra and normal coordinate analyses of bis(ethene)tetracarbonyl complexes of Mo and W, 231
Osmium complexes
synthesis of some heterobinuclear compounds containing Os–Re bonds and crystal structure of heterobimetallic anionic complex [HOsRe-$(CO)_8$Br]PPN, 221
Oxidation
anaerobic and aerobic oxidation of styrene with Cr(salen)/NO_2^- system, 31
kinetic of oxidation of quinol by bis(2,2′-bipyridine)Mn(III) ions in aqueous perchlorate media, 105
Oxoalkoxide compounds
heavy main group molecular precursors of oxides; volatile and soluble Pb(II) alkoxides and oxoalkoxides, 1
Oxo complexes
neutral oxotechnetium(V) complexes with monothiole/tridentate dithiole coordination, 163

Palladium complexes
characterization of Pd(II) and UO_2(VI) complexes of some Schiff base ligands, 147
Phosphazene complexes
Zn(II), Pd(II) and Pt(II) complexes on Schiff base-containing cyclophosphazenes, 73
Phosphine complexes
ESR and magnetic susceptibility evidence of thermally accessible electron transfer between $U^{5+}Cl_5(\phi_3P)$ and $U^{4+}Cl_5(\phi_3P)^{+\bullet}$, 179
Photolysis
spin trapping of Rh-centred radical in photolysis of $[(\eta^5\text{-}CpMe_5)Rh(CO)_2]$, 13
Platinum complexes
absorption and emission spectra and structure data of single crystal maleonitriledithiolate complexes of Pt(II), 51
nucleobase displacement from *trans*-diamineplatinum(II) complexes; rationale for inactivity of *trans*-DDP as antitumor agent?, 145
polypyrazolylborate–phosphine complexes of Pt(II); X-ray crystal structure of unusual dimer $Br(PEt_3)Pt\{\mu\text{-}[(pz)_2BH(pz)]\}Pt(PEt_3)Br_2$, 201
Polydentate ligand complexes
mono- and dinuclear Cu(II) complexes containing tripodal ligand and pyridine, imidazole or pyrazole, 111
novel structure of spontaneously resolved Ge(IV) complex with ethylenediaminetriacetatemonoacetic acid (Hedta), 65
pyridazine-bridged hetero- and homo-dimetallic complexes produced by using bis-pyridazine-carboxamide metal complexes as ligands, 23

spectroscopic and electrical properties of oxidized tris(dmit)V anion complexes (dmit = 4,5-dimercapto-1,3-dithiole-2-dithionate), 245
synthesis, structure and structural dynamics of Ru(II) bis(2-diphenylphosphinoethyl)phenylphosphine dichloride, 45
unique mononuclear Fe(III) complex with binucleating ligand 2,6-bis[*N*-(2-pyridylethyl)iminomethyl]-4-methylphenol, 35
Polynuclear complexes
structure and magnetic properties of two new polynuclear Cu(II) complexes; [Cu(terpy)(NCO)(H_2O)](Y) (Y = NO_3, PF_6), 91
Porphyrin complexes
discrimination reaction of O_2 and CO to 'cross-strapped' type Fe(II) porphyrins, 115
spectroscopic evidence for agostic interactions in organocobalt porphyrins, 15

Rhenium complexes
conversion of quadruply bonded dirhenium(III) complexes to mononuclear pentakis(isocyanide) complexes of type $Re(CNAr)_5X$ (Ar = 2,4,6-tributylphenyl) and X = Cl or Br), 141
synthesis of some heterobinuclear compounds containing Os–Re bonds and crystal structure of heterobimetallic anionic complex [HOs-$Re(CO)_8Br$]PPN, 221
Rhodium complexes
spin trapping of Rh-centred radical in photolysis of [(η^5-$CpMe_5$)$Rh(CO)_2$], 13
Ruthenium complexes
synthesis, structure and structural dynamics of Ru(II) bis(2-diphenylphosphinoethyl)phenylphosphine dichloride, 45

Schiff base complexes
anaerobic and aerobic oxidation of styrene with Cr(salen)/NO_2^- system, 31
characterization of Pd(II) and UO_2(VI) complexes of some Schiff base ligands, 147
new synthetic route for transition metal complexes with Schiff bases, 197
Zn(II), Pd(II) and Pt(II) complexes on Schiff base-containing cyclophosphazenes, 73
Sulfur complexes
new synthetic route to $W_3S_4^{4+}$ clusters; preparation and structure of [$W_3(\mu_3\text{-}S)(\mu_2\text{-}S)_3(S_4)_3(H_2O)_3]^{2-}$, 25
rate constants for electron-transfer reactions of cuboidal [$Mo_4S_4(edta)_2]^{4-,3-,2-}$ cluster complexes, 3

Technetium complexes
neutral oxotechnetium(V) complexes with monothiole/tridentate dithiole coordination, 163
trigonal bipyramidal compounds of Te with tetradentate umbrella ligand, 9
Thiocyanate complexes
identification of Sb(III) thiocyanato species in mass spectra of Sb trifluoride and ammonium thiocyanate mixtures, 7
Thiole complexes
neutral oxotechnetium(V) complexes with monothiole/tridentate dithiole coordination, 163
Titanium complexes
crystal structure of [$Cp_2Ti(THF)_2$] [$Co(CO)_4$]; variation of O–Ti–O angles in same crystal, 87
Tungsten complexes
new synthetic route to $W_3S_4^{4+}$ clusters; preparation and structure of [$W_3(\mu_3\text{-}S)(\mu_2\text{-}S)_3(S_4)_3(H_2O)_3]^{2-}$, 25
reactions of cationic monobut-2-yne complex [WI(CO)(NCMe)(dppm)(η^2-MeC_2Me)] [BF_4] {dppm = $Ph_2P(CH_2)PPh_2$}, 241
vibrational spectra and normal coordinate analyses of bis(ethene)tetracarbonyl complexes of Mo and W, 231

Uranium complexes
ESR and magnetic susceptibility evidence of thermally accessible electron transfer between $U^{5+}Cl_5(\phi_3P)$ and $U^{4+}Cl_5(\phi_3P)^{+\bullet}$, 179
Uranyl complexes
characterization of Pd(II) and UO_2(VI) complexes of some Schiff base ligands, 147

Vanadium complexes
spectroscopic and electrical properties of oxidized tris(dmit)V anion complexes (dmit = 4,5-dimercapto-1,3-dithiole-2-thionate), 245
Vitamin B_1 complexes
magnetic and spectral properties of some Co(II) complexes of vitamin B_1, 255

Zinc complexes
fluoride–water H bonding; X-ray structure of tris(ethylenediamine)Zn(II) fluoride dihydrate, 191